

ABSTRACT OF THE DISCLOSURE

The self energizing tube connector for engaging a pressurizable part made of a tube capable of sustaining pressures up to 50,000 psi without deforming is made of an upstream tube end and a downstream tube end; a ferrule with a front and rear ferrule, a lifting component that engages the front ferrule to cause a upstream seal to form between pressurizable part and tube, and a downstream seal to form between the front ferrule and the tube; and a coupling nut for sliding over the tube and disposed downstream of the rear ferrule for engaging the pressurizable part, wherein the coupling nut is adapted to tighten against the rear ferrule, front ferrule, and lifting mechanism to compress the rear ferrule, front ferrule, and lifting mechanism against the pressurizable part and the tube.